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AUGUST 15, 1997

PTAS

NIXON, HARGRAVE, DEVANS & DOYLE LLP  
MICHAEL L. GOLDMAN  
CLINTON SQUARE  
P.O. BOX 1051  
ROCHESTER, NEW YORK 14603



\*100463876A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/14/1997

REEL/FRAME: 8609/0541  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
BARANY, FRANCIS

DOC DATE: 04/17/1997

ASSIGNOR:  
BLOK, HERMAN

DOC DATE: 04/21/1997

ASSIGNOR:  
ZIRVI, MONIB

DOC DATE: 04/17/1997

ASSIGNEE:  
CORNELL RESEARCH FOUNDATION, INC.  
20 THORNWOOD DRIVE  
SUITE 105  
ITHACA, NEW YORK 14850

SERIAL NUMBER: 08794851  
PATENT NUMBER:

FILING DATE: 02/04/1997  
ISSUE DATE:

ENTERED  
NHDD

SEP 09 1997

FILE 19603/461  
DKT 2443

8609/0541 PAGE 2

PEARLENE FOSTER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

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07-29-1997



100463876

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JUL 14 1997

RECEIPT ACCTING. DIV.

To the Honorable Commissioner of Patents and Trademarks. Please record and attach original documents or copy thereof:

1. Name of conveying party(ies):

Francis Barany  
Herman Blok  
Monib Zirvi

2. Name and address of receiving party(ies):

Cornell Research Foundation, Inc.  
20 Thornwood Drive, Suite 105  
Ithaca, New York 14850

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other: \_\_\_\_\_

Execution Date(s):

1st Inventor: April 17, 1997  
2nd Inventor:  
3rd Inventor:  
4th Inventor:  
5th Inventor: April 21, 1997  
6th Inventor: April 17, 1997

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date(s) of the application is(are):

1st (sole) Inventor:  
2nd Inventor:  
3rd Inventor:  
4th Inventor:

A. Patent Application No.(s) 08/794,851

B. Patent No.(s)

ROC10:111808  
19603/461 (CRF D-1595A)

07/29/1997 TTON11 00000167 08794851  
01 FC:581 40.00 OP

5. Name and address of party to whom correspondence concerning document should be mailed:

**Michael L. Goldman**  
Nixon, Hargrave, Devans & Doyle LLP  
Clinton Square  
P. O. Box 1051  
Rochester, New York 14603

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00  
[ ] Previously paid (see original transmittal)  
[X] A check in the amount of \$40.00 is enclosed.

8. Deposit Account Number: 14-1138

[ ] Charge total fee to account.  
[X] Charge any additional fees to account.

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael L. Goldman

Name of Person Signing

Michael L. Goldman July 9, 1997

Signature

Date

[Total number of pages including cover sheet, attachments and document: 4]

ROC10:111808  
19603/461 (CRF D-1595A)

**Certificate of Mailing - 37 CFR 1.8 (a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on the date below.

7/9/97

Date

Wendy L. Harrold

Wendy L. Harrold

# ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, (I) (we) the undersigned,

Francis Barany  
Monib Zirvi  
Herman Blok

Hereby sell, assign and transfer to:

**CORNELL RESEARCH FOUNDATION, INC.**

a corporation of The State of New York, having a place of business at Cornell Business & Technology Park, 20 Thornwood Drive, Suite 105, Ithaca, New York, 14850 its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. 08/794,851, filed February 4, 1997, entitled

DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING THE LIGASE DETECTION REACTION WITH ADDRESSABLE ARRAYS

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements, execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date ☒ April 17, 1997

☒ Dr. Francis Barany (L.S.)  
Francis Barany

Date ☒ April 17, 1997

☒ Monib Zirvi (L.S.)  
Monib Zirvi

Date \_\_\_\_\_

\_\_\_\_\_  
Herman Blok (L.S.)

# ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, (I) (we) the undersigned,

Francis Barany  
Monib Zirvi  
Herman Blok

Hereby sell, assign and transfer to:

**CORNELL RESEARCH FOUNDATION, INC.**

a corporation of The State of New York, having a place of business at Cornell Business & Technology Park, 20 Thornwood Drive, Suite 105, Ithaca, New York, 14850 its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. 08/794,851, filed February 4, 1997, entitled

**DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING THE LIGASE DETECTION REACTION WITH ADDRESSABLE ARRAYS**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements, execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date \_\_\_\_\_ Francis Barany \_\_\_\_\_ (L.S.)

Date \_\_\_\_\_ Monib Zirvi \_\_\_\_\_ (L.S.)

Date 21 April 1997 Herman Blok \_\_\_\_\_ (L.S.)



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Washington, D.C. 20231

OCTOBER 16, 1997

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NIXON, HARGRAVE, DEVANS ET AL.  
MICHAEL L. GOLDMAN  
CLINTON SQUARE  
P.O. BOX 1051  
ROCHESTER, NY 14603



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RECORDATION DATE: 09/02/1997

REEL/FRAME: 8695/0453  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
BARANY, GEORGE

DOC DATE: 07/28/1997

ASSIGNOR:  
KEMPE, MARIA

DOC DATE: 08/07/1997

ASSIGNEE:  
REGENTS OF THE UNIVERSITY OF MINNESOTA  
MORRILL HALL, 100 CHURCH STREET SE  
MINNEAPOLIS, MINNESOTA 55455

SERIAL NUMBER: 08794851  
PATENT NUMBER:

FILING DATE: 02/04/1997  
ISSUE DATE:

STEVEN POST, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

ENTERED  
NHDD

OCT 29 1997

FILE 19603/461  
DKT *dlf*




/AQ/17/1997 TTON11 00000208 08794851 .. ..)

<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b>  <b>Michael L. Goldman</b> Nixon, Hargrave, Devans & Doyle LLP Clinton Square P. O. Box 1051 Rochester, New York 14603	<b>6. Total number of applications and patents Involved: 1</b>
	<b>7. Total fee (37 CFR 3.41) \$40.00</b> [ ] Previously paid (see original transmittal) [X] A check in the amount of \$40.00 is enclosed.
	<b>8. Deposit Account Number: 14-1138</b>  [ ] Charge total fee to account. [X] Charge any additional fees to account.

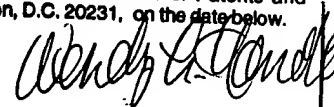
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**9. Statement and signature.**  
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

<u><b>Michael L. Goldman</b></u>	<u></u>	<u>8/27/97</u>
Name of Person Signing	Signature	Date

[Total number of pages including cover sheet, attachments and document: 4 ]

ROC10:111810  
19603/461 (CRF D-1595A)

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8/27/97	
Date	Wendy L. Harrold

JOINT

ASSIGNMENT

WHEREAS, We, George Barany, a U.S. citizen, residing at 1813 Prior Avenue North, Falcon Heights, Minnesota 55113 and Maria Kempe, a Swedish citizen, residing at Knut den Stores torg 1c, S-222 21 Lund, Sweden, have invented certain new and useful improvements in **DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING THE LIGASE DETECTION REACTION WITH ADDRESSABLE ARRAYS** for which we have executed an application for Letters Patent in the United States, filed as U. S. Serial No. 08/794,851 on February 4, 1997;

AND WHEREAS, Regents of the University of Minnesota, with its principal place of business at Morrill Hall, 100 Church Street SE, Minneapolis, MN 55455, desires to acquire the entire right, title and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration; including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said University of Minnesota, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said University of Minnesota, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said University of Minnesota, its successors, legal representatives and assigns, any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said University of Minnesota, its successors, legal

representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

28<sup>th</sup> IN TESTIMONY WHEREOF, I hereunto set my hand and seal this day of July, 1997.

George Barany  
George Barany

STATE OF MINNESOTA  
COUNTY OF HENNEPIN SS:

This 28<sup>th</sup> day of July, 1997, before me personally came the above-named George Barany, to me personally known as the individual who executed the same of his own free will for the purposes therein set forth.



Kathleen P. Ross  
Notary Public

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 7<sup>th</sup> day of August, 1997.

Maria Kempe  
Maria Kempe

Witnessed: Anita Kempe

Name Anita Kempe  
Address Velanderгатan 66  
SE 21566 MALMO, Sweden  
Date: 08/07/97

Witnessed: Nils Hennart Kempe

Name NILS HENNART KEMPE  
Address VELANDERGATAN 66  
SE 21566 MALMO, SWEDEN  
Date: 08/07/97



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Washington, D.C. 20231

OCTOBER 15, 1997

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MICHAEL L. GOLDMAN  
CLINTON SQUARE  
P.O. BOX 1051  
ROCHESTER, NEW YORK 14603



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RECORDATION DATE: 09/19/1997

REEL/FRAME: 8696/0528  
NUMBER OF PAGES: 6

BRIEF: RECORD TO CORRECT SPELLING OF CITY OF RECEIVING PARTY (ITEM #2)  
PREVIOUSLY RECORDED ON REEL 8609/FRAME 0578

ASSIGNOR:  
HAMMER, ROBERT P.

DOC DATE: 04/25/1997

ASSIGNEE:  
LOUISIANA STATE UNIVERSITY  
203 DAVID BOYD HALL, 146A  
BATON ROUGE, LOUISIANA 70803

SERIAL NUMBER: 08794851  
PATENT NUMBER:

FILING DATE: 02/04/1997  
ISSUE DATE:

SHAREILL COLES, EXAMINER  
ASSIGNMENT DIVISION  
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ENTERED  
NHDD

OCT 23 1997

FILE 19603/461  
DKT *dlf*

10-14-1997

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100543774

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**CORRECTIVE**

1. Name of conveying party(ies):

Robert P. Hammer

MRD 9-19-97

2. Name and address of receiving party(ies):

Louisiana State University

203 David Boyd Hall, 146A

Baton Rouge, Louisiana 70803

3. Nature of conveyance:

☐ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name

☒ Other: Record to correct spelling of city of receiving party (item #2) previously recorded on Reel 8609/Frame 0578

Execution Date(s):

1st Inventor:

2nd Inventor:

3rd Inventor: April 25, 1997

4th Inventor:

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JUL 05 2002

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4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date(s) of the application is(are):

1st (sole) Inventor:

2nd Inventor:

3rd Inventor:

4th Inventor:

A. Patent Application No.(s) 08/794,851

B. Patent No.(s)

40E

NO SPEC

Fee

ROC10:120179

19603/461 (CRF D-1595A)

5. Name and address of party to whom correspondence concerning document should be mailed:

**Michael L. Goldman**  
 Nixon, Hargrave, Devans & Doyle LLP  
 Clinton Square  
 P. O. Box 1051  
 Rochester, New York 14603

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00  
☐ Previously paid (see original transmittal)  
☒ A check in the amount of \$40.00 is enclosed.

8. Deposit Account Number: 14-1138

- ☐ Charge total fee to account.  
☒ Charge any additional fees to account.

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael L. Goldman

Name of Person Signing

Michael L. Goldman

Signature

9/11/97

Date

[Total number of pages including cover sheet, attachments and document: 4]

ROC10:120179  
 19603/461 (CRF D-1595A)

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09-16-97

Date

Michelle Y. Miller

Michelle Y. Miller

RE

07-29-1997

IEET

7-14-97



100463878

To the Honorable Commissioner  
documents or copy thereof:

Please record the attached original

JUL 14 1997

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DIV.

## 1. Name of conveying party(ies):

Robert P. Hammer

## 2. Name and address of receiving party(ies):

Louisiana State University

203 David Boyd Hall, 146A

Baton Route, Louisiana 70803

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of  
Name☐ Other: \_\_\_\_\_

## Execution Date(s):

1st Inventor:

2nd Inventor:

3rd Inventor: April 25, 1997

4th Inventor:

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date(s) of the  
application is(are):

1st (sole) Inventor:

2nd Inventor:

3rd Inventor:

4th Inventor:

A. Patent Application No.(s) 08/794,851

B. Patent No.(s)

ROC10:111807

19603/461 (CRF D-1595A)

07/29/1997 TTDN11  
01 FC:581

00000169 08794851

40.00 CP



<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b>  <b>Michael L. Goldman</b> Nixon, Hargrave, Devans & Doyle LLP Clinton Square P. O. Box 1051 Rochester, New York 14603	<b>6. Total number of applications and patents Involved: 1</b>
	<b>7. Total fee (37 CFR 3.41) \$40.00</b> <input type="checkbox"/> Previously paid (see original transmittal) <input checked="" type="checkbox"/> A check in the amount of \$40.00 is enclosed.
	<b>8. Deposit Account Number: 14-1138</b>  <input type="checkbox"/> Charge total fee to account. <input checked="" type="checkbox"/> Charge any additional fees to account.

DO NOT USE THIS SPACE

**9. Statement and signature.**  
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael L. Goldman

Name of Person Signing

Michael L. Goldman

Signature

7/7/97

Date

[Total number of pages including cover sheet, attachments and document: 4 ]

ROC10:111807  
19603/461 (CRF D-1595A)

<b>Certificate of Mailing - 37 CFR 1.8 (a)</b>	
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on the date below.	
<u>7/9/97</u>	<u>Wendy L. Harrold</u>
Date	Wendy L. Harrold

SOLE

ASSIGNMENT

WHEREAS, I, Robert P. Hammer, a U.S. citizen, residing at 4967 Tulane Drive, Baton Rouge, Louisiana 70808, have invented certain new and useful improvements in **DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING THE LIGASE DETECTION REACTION WITH ADDRESSABLE ARRAYS** for which I have executed an application for Letters Patent in the United States, filed as U. S. Serial No. 08/794,851 on February 4, 1997;

AND WHEREAS, Louisiana State University, with its principal place of business at 203 David Boyd Hall, 146A, Baton Rouge, Louisiana 70803, desires to acquire the entire right, title and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Louisiana State University, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said Louisiana State University, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I will communicate to the said Louisiana State University, its successors, legal representatives and assigns, any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said Louisiana State University, its successors, legal representatives and assigns,

to obtain and enforce proper patent protection for said improvements in all countries.

25<sup>th</sup> IN TESTIMONY WHEREOF, I hereunto set my hand and seal this day of April, 1997.

Robert P. Hammer  
Robert P. Hammer

STATE OF Louisiana  
COUNTY OF East Baton Rouge Parish

This 25<sup>th</sup> day of April, 1997, before me personally came the above-named Robert P. Hammer, to me personally known as the individual who executed the same of his own free will for the purposes therein set forth.

Bonnie J. Davis  
Notary Public



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

AUGUST 15, 1997

PTAS  
NIXON, HARGRAVE, DEVANS & DOYLE, LLP  
MICHAEL L. GOLDMAN  
CLINTON SQUARE  
P.O. BOX 1051  
ROCHESTER, NY 14603



\*100463878A\*

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ASSIGNOR:  
HAMMER, ROBERT P.

DOC DATE: 04/25/1997

ASSIGNEE:  
LOUISIANA STATE UNIVERSITY  
203 DAVID BOYD HALL, 146A  
BATON ROUTE, LOUISIANA 70803

SERIAL NUMBER: 08794851  
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FILING DATE: 02/04/1997  
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MAURICE CARTER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

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To the Honorable Commissioner  
documents or copy thereof:

Base record the attached original

JUL 14 1997

RECEIPT

1. Name of conveying party(ies):

Robert P. Hammer

2. Name and address of receiving party(ies):

Louisiana State University  
203 David Boyd Hall, 146A  
Baton Route, Louisiana 70803

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of  
Name  
☐ Other: \_\_\_\_\_

Execution Date(s):

1st Inventor:  
2nd Inventor:  
3rd Inventor: April 25, 1997  
4th Inventor:

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date(s) of the application is(are):

1st (sole) Inventor:  
2nd Inventor:  
3rd Inventor:  
4th Inventor:

A. Patent Application No.(s) 08/794,851

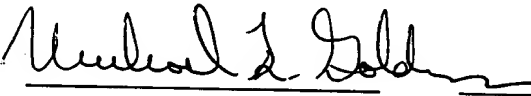
B. Patent No.(s)

ROC10:111807  
19603/461 (CRF D-1595A)

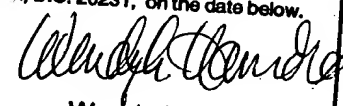
07/29/1997 TTON11 00000169 08794851  
01 FC:581 40.00 OP

<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b>  <b>Michael L. Goldman</b> Nixon, Hargrave, Devans & Doyle LLP Clinton Square P. O. Box 1051 Rochester, New York 14603	<b>6. Total number of applications and patents Involved:</b> 1
	<b>7. Total fee (37 CFR 3.41)</b> \$40.00 <input type="checkbox"/> Previously paid (see original transmittal) <input checked="" type="checkbox"/> A check in the amount of \$40.00 is enclosed.
	<b>8. Deposit Account Number:</b> 14-1138  <input type="checkbox"/> Charge total fee to account. <input checked="" type="checkbox"/> Charge any additional fees to account.

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<b>9. Statement and signature.</b> To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.		
<u>Michael L. Goldman</u> Name of Person Signing	<u></u> Signature	<u>7/7/97</u> Date
[Total number of pages including cover sheet, attachments and document: 4 ]		

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19603/461 (CRF D-1595A)

<b>Certificate of Mailing - 37 CFR 1.8 (a)</b>	
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on the date below.	
<u>7/9/97</u> Date	<u></u> Wendy L. Harrold

SOLE

ASSIGNMENT

WHEREAS, I, Robert P. Hammer, a U.S. citizen, residing at 4967 Tulane Drive, Baton Rouge, Louisiana 70808, have invented certain new and useful improvements in **DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING THE LIGASE DETECTION REACTION WITH ADDRESSABLE ARRAYS** for which I have executed an application for Letters Patent in the United States, filed as U. S. Serial No. 08/794,851 on February 4, 1997;

AND WHEREAS, Louisiana State University, with its principal place of business at 203 David Boyd Hall, 146A, Baton Rouge, Louisiana 70803, desires to acquire the entire right, title and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Louisiana State University, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said Louisiana State University, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I will communicate to the said Louisiana State University, its successors, legal representatives and assigns, any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said Louisiana State University, its successors, legal representatives and assigns,

to obtain and enforce proper patent protection for said improvements in all countries.

25<sup>th</sup> IN TESTIMONY WHEREOF, I hereunto set my hand and seal this day of April, 1997.

Robert P. Hammer  
Robert P. Hammer

STATE OF Louisiana  
COUNTY OF East Baton Rouge SS:  
Parish

This 25<sup>th</sup> day of April, 1997, before me personally came the above-named Robert P. Hammer, to me personally known as the individual who executed the same of his own free will for the purposes therein set forth.

Bonnie J. Davis  
Notary Public